M. A. R. 57 (Rule 116) No. E 536201

Measurement Book

Serial No. 7th and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Executive Engineer, KRIDL, Bangalore.

Date of commencement of work..... D.o. Recording. 21-12-2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :	Improvements to Roads and drains at Construction of Manjunnapalya colony and other area in Ward No.06 Byatarayanpura Sub-Division.					
	Estimated Cost Rs.	100.00 Lakhs					
	JOB. No	: 006.20-000164					
	Work order No	: BBMP/EE/BTP/WO/190/2019.20					Dt. 16.01.2020.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
①	Dismantling of cement concrete pavement by Mechanical means using pneumatic tools, breaking the pieces into exceeding 0.02 m^3 in volume and stacle piling at designated location and disposal of dismantled materials stacking serviceable and unserviceable materials separately all Complete as per specifications and directions of Engineer-in-charge of work..						
			qty as per B.Bill. Item no ①				
			p.no 1	= 379.40 m^3	952.94/m^3		361545.44

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536202

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Removing and Refixing Stone slabs of drain and paving in CM (1:3) etc complete as per specifications and directions of Engineer-in-charge of the work.						
		qty vide E.B. 11 - 12 no. (2) p. 1					
			301.44 / 300.80	m^2 @	92.22	m^2 Rs	27740.00 / 27798.80
	3) Removing and resetting of kerb stones etc complete as per specifications and directions of Engineer-in-charge of the work						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Qty vide E. Bill No. (5)				
			p. no 1			70 Rmtr. @104.94/Rmtr. Rs.	7345.80
4)	Providing granite slabs and fixed in CM 1:6 Cms thick etc complete as per specifications and directions of Engineer. in. charge of the work.	do	of detected quality Roughly dressed including fixing Cuttings etc.			do - 7.20	
			Qty vide E. Bill No (5)				
			p. no 1			102.06 Sqm	75728.52
						@742/Sqm	

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536203

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Earth work Excavation by manual means in ordinary dust : having an average horizontal throw upto 2 m and and any Lift upto 0.50 m, Excavated surface levelled and finished neatly dressed, the disposed of clods Completed as per in-charge of the work.						
	qty. vide E. Bill. No (5) p. no 2						
	do	= 1143.00 m³ @ 137.80/m³				Rs	15,7505.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Providing and laying plain cement concrete of mix 1:3:6 with ope e 20 kgs with crushed hard and clean graded granite metal coarse aggregate e 0.8 m³ and fine aggregate e 0.4 m³ is fund mechanically mixed, placed in fund and compacted by vibrators including curing for 14 days inclu cleaning all materials, labour, form curing form works, dewatering and centering all complete as per specifications and directions of Engineer in charge of the works.						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536204

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing and Constructing granite/trap/ basalt Size stone masonry in basement with cm 1:6, Edges of stones chisel dressed in courses not less than 15 cms high, bond stones at 2m apart in each course including costing material, labour, curing etc Complete as per specifications & directions of Engineer-in-charge of the work.						
	Schedule B. Bill. It no. (7) p.no 2						
	= 42.30 m³ @ 5305.30/m³ Rs						2,24,414.0

DD

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	Providing and constructing load bearing wall with hollow concrete blocks having block density not less than 800 kg/m³ having a minimum average compressive strength of 4.0 N/mm² conforming to IS 2185 part-1:2005 and constructed with CM 1:4 as per IS-2572:2005, including costing all materials, labour charges, scaffolding, curing, hire charges of machineries etc complete as per specifications & directions of Engineer in charge of the work.						
		qty vide R.Bill No. 8					
		P.no 3				= 100.80 m²	Rs 98727.55
						@ 979.44/m²	

dd

M. A. R. 57 (Rule 116) **No. E** 536205

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Plain/Reinforced C.C. 1:2:4 with 20mm nd down size graded granite metal @ 0.69 m³ and fine aggregate @ 0.46 m³ with @ 32 kg/m³ with super plasticizer @ 3 lits confirming to IS-103-1983 Re-affirmed-2008, in open found^n complete as per drawing and technical specification Column Case-4 - with batching plant, transit mixed and concrete etc complete as per specifications and directions of Engineer-in-charge the work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		qty work				E. Bill. It no. (9)	
		P. No 3		39.11	m^3	@ 5148.42/m^3	B 201355.00
10)	Providing flush pointing to coursed stone masonry with CM 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including costing materials, labour curing etc complete as per specifications and directions of Engineer-in-charge of the work.	do					
		qty work				E. Bill. It no. (10)	
		P. No. 3		111.60	m^2	@ 223.66/m^2	24960.00

M. A. R. 57 (Rule 116) **No. E** 536206

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Providing and laying plain/reinforced C.C for side drain using M.20 nominal mix concrete with one at 3no bags, with 20mm and down size granite metal coarse aggregate at 0.63 yd^3 sand and fine aggregate at 0.43 yd^3 machine mixed, well compacted for walls and bottom including centering, shuttering, cost of material, hire of machinery, curing etc complete excluding cost of steel as						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as per Work specifications wo 1500, 1700, 2200 including Costing material, labour, Hom etc complete as per specifications and directions of Engineer-in-charge wor.						
						qty vide E.Bill # no. (11)	
						p.no. 4 = 124.46 mt @ 7070.20/mt	Rs 879957.00
12)	Providing TMT-Steel reinforcement for RCC work including straighting, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever						

M. A. R. 57 (Rule 116) **No. E** 536207

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	necessary complete as per design, costing material, labour from complete as per specifications.						
	qty made E. Bill. Item 12						
	p. no 4 = 8.71 Amt. 672326.98/Rm. 629968.00 R.						
137	Providing and laying precast dated cement concrete kerb stones moulding C.C M 2:4 with top and bottom width						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	114 and 165 mm Respectively, 400mm high and 450mm in lengths finished with cm 1:3, plaster and finishing; cutting, including form work, curing, including costing all material, labour, hire charges of machinery, loading, unloading lead and lifts transportation etc complete as per specification.						
	qty as per E. Drill at no (13)						
	P.no 4 = 356.					Nos e	
						432 - 48/47 B	153963.no
14/7	Providing and laying RCC precast cover slab 100mm thick						

M. A. R. 57 (Rule 116) No. E 536208

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for drain in CM 1:1:5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work with chages, curing, and controls formed surfaces on both sides all complete and as per drawing and as directed by Engineer in charge						
	qty vide E.Bill # no. (14)						
	p.no (5) = 340.70 m² @ 2337/m² Rs						79626.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Providing and laying RCC precast cover slab of 25 mm thick made out of C.C 1:2:4 and well rounded dummy size with steel reinforcement, including formwork Lath Charges, curing and cement finished surfaces on both side of slab etc complete as per drawing and the direction of Engineer-in-Charge.						
			qty made & Bill. # no (15) p.no (5) . 49 no same			5478/m²	268191.00
16)	Cement concrete pavement,						

do

do

do

do

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536209

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	plain cement concrete pavement, thickness as per design, over a prepared sub-base with 43 grade cement or any other type as per clause 1051.2.2, M20/M30 at 38/450 kgs per m³, Coarse aggregate and fine aggregate conforming to IS. 383, max size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.4m³ capacity and appropriate nos batches as per approved mix						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	design, laid in approved sized side formwork (steel channel), spreading the concrete with shovels, trowels compacted using needle, sized and plate vibrator and finished in a continuous operation etc complete as per specifications and directions of Engineer-in-charge. Whole						
	qty vide R.B.11-D no. (15)						
	p.no (6). 366.90 m³ @ 5210.96/m³						1911901.22
17)	vacuum de-watering with vacuum pump and suction						

M. A. R. 57 (Rule 116) No. E 536210

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mat and compacting with skid floor clubbed with floating disc including costly generator, heavy machinery derived vibratory power floater/blade and disc etc complete as per specifications and directions of Engineer-in-charge of work.						
						qty vide E-Bill No. (17)	
			P.No (6)			= 2446.00 m² @ 72.08/m²	176307.68
18)	Earthwork excavation for foundations of buildings, water						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Supply, dumping lines pits or in trenches 1.50 not exceeding 1.50 m in depth in clearing dressing the bottom and sides of pits and trenches, stacking the Excavated soil clear from edge of Excavations with lead and lifts etc complete as per specifications and directions of Engineer in-charge of Work.	and electrical conduits and above in widths, in hand soil			Either in		
			qty vide	P. Bill. No			
			P.No (6)	313.20 m³ @ Rs 475.94/m³			(49064.41)

dp

M. A. R. 57 (Rule 116) No. E 536211

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
19	Providing and Installing at site of work 63mm pvc pipe 6kg/cm² including costing pipes of specials and labour, including lowering into trenches, laying true to line, level and perfect jointing at joints, leak proofs including joining of approved type etc complete as per specifications.						
		qty taken from E. Bill No. (19)					
		P.No (7)	=	580	Rmtre	208.82/Rmtr. R	121116.00

dr

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
20)	Refilling available Earth around pipe lines, Cables, in layers not exceeding 20cms in depth, Compacting Each deposited layer by ramming after watering with hand rammers 5kgs and upto upto 1.5kgs, including costing all labour etc complete as per specifications and directions of Engineer-in-charge of work.						
						qty vide E.Bill Item No. (20) P.No2	
						313.20 m³ @	128.26/m³ Rs	40171.03
21)	Loading, unloading of stone boulders by manual	do					

M. A. R. 57 (Rule 116) No. E 536212

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Measurements are completed as per specifications and directions of Engineer-in-charge work.						
	Qty as per E.Bill. Page no. (21)						
	1822.40 sqm @ 73.99/sqm					Rs	1,12,842.00
						Sub total 8581344	8,58,493.00
						1029761.28	10,29,768.00

21/12/2020

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Add ICRISAT Charges @3%.		257440.32 2,57,442.00
					Add 1% Labour cess		25813.44 25,814.00
						G. Total Rs	99,54,427.00
							9954300.00

Certificate

(1) certified that the contractor has work done satisfactorily

(2) the contractor has removed the debris from site

(3) there is no any depth materials issued to Contractor

d-c

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

M. A. R. 57 (Rule 116) No. E 536213

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			51.mts				
			CROSS-ROAD				
			128.mts	9.15	C.C. Roads		
				59.m	61.mts		
						Rec	Dodanahally main Road
			Mariyamma palya main Road				

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಾಮರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಾಮರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-64

1st & Final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	P1878 2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ 18 Y. Works ಕಡಿ		TTB	9954300			
	ಬಾಬ್ತು ರೂ. 9954300/= ಕ್ಕೆ ಮಾಡಿರುವ ಕಾಮಗಾರಿಯ ಬಿಲ್ಲು ಮೊತ್ತ ರೂ. 1110500/=		FT	199086			
	ಮೊತ್ತದಲ್ಲಿ ಕಡಿತ ಮಾಡಿ ರೂ. 8843800/=		CGST	88878			
			SGST	88878			
			FSD	497715			
			CESS	99543			
	FT/N		CBE	9955			
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 18/01	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 18/01	Fine	8585			
	ನಿರ್ವಾಹಕರು		LR	117860			
	ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು	ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು	Ded.	1110500			
			Cheque	8843800			